

WHAT IS CLAIMED IS:

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1. A storage device for maintaining information when power is OFF and being capable of executing a test process based on test signals, comprising:
 - 10 a test terminal inputting the test signals;
 - an instruction part sending a read out instruction for instructing a memory storing secret data to read out data;
 - 15 a decoding part decoding whether or not the data read out by the memory in response to the data reading instruction is the secret data stored in the memory;
 - a maintaining part maintaining information in a volatile state resulting from the decoding part; and
 - 20 a cutting-off part cutting off the test signals input from the test terminal when the maintaining part maintains information indicating that the secret data is stored.
- 25
- 30 2. The storage device as claimed in claim 1, wherein said read out instruction sent by said instruction part is a secret data read out instruction for instructing the memory storing secret data to read out the secret data.

3. The storage device as claimed in claim
1, wherein said read out instruction sent by said
instruction part is a data read out instruction for
5 instructing the memory storing secret data to read
out all data stored in the memory other than working
data.

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4. The storage device as claimed in claim
1, wherein said read out instruction sent by said
instruction part is a data read out instruction for
15 instructing the memory storing secret data to read
out data indicating a presence of the secret data
stored in an area that is not for the secret data.

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5. The storage device as claimed in claim
1, wherein said instruction part sends the read out
instruction when the power is ON.

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6. The storage device as claimed in claim
30 1, wherein said instruction part sends the read out
instruction when the memory is reset.

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7. The storage device as claimed in claim
1, wherein said instruction part sends the read out

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instruction when a command for operating secret data is made.

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8. A storage device for maintaining information when power is OFF and being capable of executing a test process based on test signals,
10 comprising:

a decoding part gathering a set of data read out by a memory storing secret data in response to an access request and decoding based on the set of data whether or not the secret data is stored.

15 a maintaining part maintaining information in a volatile state resulting from the decoding part; and

20 a cutting-off part cutting off the test signals input from a test terminal when the maintaining part maintains information indicating that the secret data is stored.

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9. A storage device for maintaining information when power is OFF and being capable of executing a test process based on test signals,
comprising:

30 a maintaining part maintaining, in a volatile state, information indicating that an access request is conducted to a memory storing secret data; and

35 a cutting-off part cutting off the test signals input from a test terminal when the maintaining part maintains the information indicating that the access request is conducted to the memory

storing secret data.